

NEUROLOGICAL DISORDERS AND VISUALS

We have discussed visual disorders involving color... However, we neglected to address neurological disorders affecting readability:

Epilepsy

Headaches

Both conditions affect millions of readers.

GUIDELINES (What we know so far):

-Avoid flashing elements

-Avoid and/or limit erratic motion

-Avoid and/or limit geometric shapes with shape edges or angles equal to or more than five.

-Screen Modulation, sometimes called the Flicker Rate, on monitors or overhead projectors should be greater than 60 hz (You can adjust this setting on your monitor)

-Blend pixilated elements when possible (try not to allow pixilated elements to be viewable - if those little squares are showing, then revise to hide or blend them).

-Avoid or limit parallel multiple horizontal lines or vertical lines in close proximity to each other.

-Three-Dimensional elements involving motion should be limited.

-Avoid brilliant elements, sometimes called glints, in corners of the screen.

-Avoid overlapping text as much as possible.

-Avoid transitions from the color RED (these have been shown to induce seizures and headaches).

-Avoid the color RED as much as possible in any color scheme. This color affects not only those with color blindness; red is also associated with evoking seizures and headaches in those with neurological disorders!